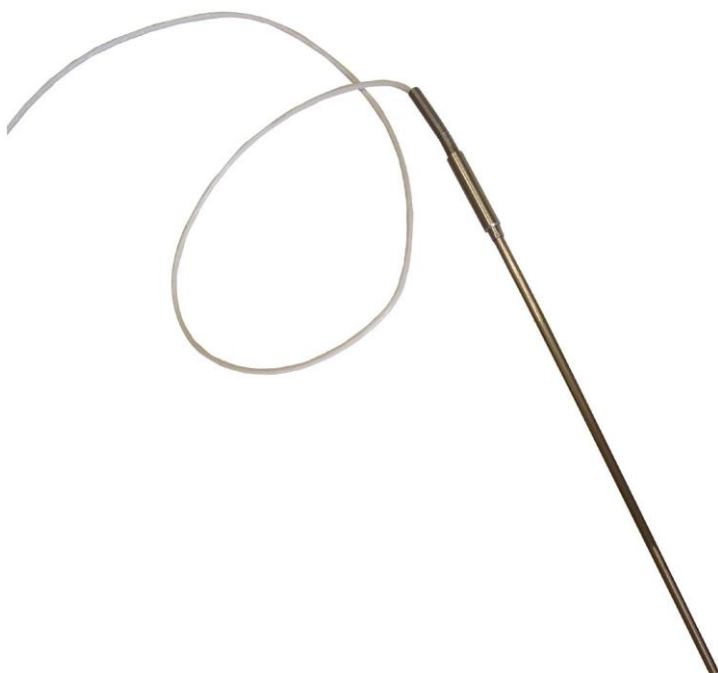


# LSS 670

Secondary standard PRT. It is built on a 99.99% pure platinum wire.  
 Temperature range -250 ... 670 °C.  
 It is designed without mechanical stress, it is protected with a ceramic capsule.  
 This platinum pattern probe is specially designed to withstand high thermal shock.  
 Where required for high accuracy.  
 These probes are the perfect complement to LDT 2000 to perform the best calibrations.



## APPLICATIONS

Reference laboratories  
 Calibrations compare  
 Probes pattern for very exact services  
 Precision work in-situ

## HIGHLIGHTS

Temperature range -250 ... 670 °C  
 Excellent precision and long term stability  
 99.99% pure platinum wire  
 Wide temperature range  
 Low drift  
 Long life

### General data

PT100 sensor accuracy / 4 wire  
 Probe Inconel metal sheath 600  
 Element ceramic caps protected  
 Free design of mechanical stress  
 Connection cable 2 m Teflon-coated  
 The LSS 670 is supplied with FA DIN 6-pin plug for accuracy indicator LDT 2000 or bare wires with gold plated  
 Wood carrying case optional

### Technical data

<b>Temperature range</b>	-250 ... 670 °C
<b>Resistance 0 °C</b>	25.5 Ω / 100 Ω EN 60751: 2008 class B
<b>Measuring current recommended</b>	1 mA
<b>Temperature coefficient</b>	0.003925 Ω / Ω / °C
<b>Stability</b>	R0 typical drift <0,01 °C after 500 hours at 670 °C
<b>Repeteability</b>	R0 typical drift <0.002 °C after cycles from -196 to 670 °C
<b>Dimensions</b>	Sheath diameter 6 mm, length sheath 450 mm or L-shaped (Elbow 90 degrees) option

